

**COMPOSICIÓN Y ESTADO ESTRUCTURAL DE LOS FELDESPATOS
POTÁSICOS DEL YACIMIENTO SAN GUILLERMO, DISTRITO VALLE FÉRTIL,
ARGENTINA SU USO COMO INDICADORES DEL GRADO DE EVOLUCIÓN
GEOQUÍMICA**

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Abstract

Composition, lattice parameters, and structural state of alkali feldspars from San Guillermo mica-bearing pegmatite have been studied. The K/Rb and Rb/Sr ratios, and P, Ba, Ga, Sr contents of the feldspars have been used as indicators of the geochemical evolution of the pegmatite; these relations indicate that the San Guillermo deposit is a muscovite class granitic pegmatite. The geochemical parameters are consistent with other from similar deposits of the Valle Fértil district. Al contents of the tetrahedral sites have been calculated from lattice parameters and selected diffraction-peak positions. The results indicate that the K-feldspars have a fully ordered structure with values near to low microcline; similar structural state has been cited for alkali feldspars of pegmatites with identical typology.